

Recovery Plan Action Status

Plan Name: South Florida Multi-Species Recovery Plan (68 spp.)

Plan Status: Final

Plan Date: 18-May-99

Lead Agency: USFWS

Lead Office: South Florida Ecological Services Field Office

(772)
562-3909)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Scrub blazingstar (Liatris ohlingerae)	2	lioh-h1.1	Secure habitat through acquisition, landowner agreements, and conservation easements for scrub blazing star (Liatris ohlingerae).	Partially Complete			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Department of Environmental Resources Management, Non-governmental organizations, Florida Division of Forestry, Florida Department of Agriculture and Consumer Services	Acquisition	Labor type not yet selected	Cost dependent upon specific site and amount of land acquired. Action lead(s): FWS
Scrub blazingstar (Liatris ohlingerae)	2	lioh-h1.2.1	Conduct prescribed burns.	Ongoing Current	FY 1995 - FY 1999		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Department of Environmental Resources Management, Florida Division of Forestry, Bok Tower Gardens , Archbold Biological Station	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Cost is per acre (ex. 1.0/acre); Total cost dependent upon number of acres burned. Action lead(s): FWS, DOF

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Scrub blazingstar (Liatris ohlingerae)	3	lioh-h1.2.2	Control and eliminate exotic and invasive plants and animals.	Ongoing Current	FY 1995 - FY 1999		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Department of Environmental Resources Management, Florida Division of Forestry, Florida Department of Agriculture and Consumer Services, Water Management Districts	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 2.0/acre); Total cost dependent upon number of acres infested with exotics. Action lead(s): FDEP, DOF, FWC
Scrub blazingstar (Liatris ohlingerae)	3	lioh-h1.2.3	Control access to areas where listed plants are growing.	Ongoing Current			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Division of Forestry	Management	Labor type not yet selected	Task currently conducted and cost is included in responsible agency's budget. Action lead(s): FWC, DOF
Scrub blazingstar (Liatris ohlingerae)	3	lioh-h2.1	Restore a natural fire regime.	Ongoing Not Current	FY 1995 - FY 1999		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1.0/acre); Total cost dependent upon number of acres burned. Action lead(s): FWC, FDEP, DOF
Scrub blazingstar (Liatris ohlingerae)	3	lioh-h2.2	Enhance sites with native plant species.	Not Started			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 0.5/acre); Total cost dependent upon number of acres enhanced. Action lead(s): FWC, FDEP, DOF
Scrub blazingstar (Liatris ohlingerae)	3	lioh-h3.0	Conduct habitat-level research projects.	Ongoing Current			Archbold Biological Station, Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): private, universities
Scrub blazingstar (Liatris ohlingerae)	2	lioh-h4.0	Monitor habitat/ecological processes.	Ongoing Current			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Action lead(s): FWC, FDEP, DOF

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Scrub blazingstar (Liatris ohlingerae)	3	lioh-h5.0	Provide public information about scrub and its unique biota.	Ongoing Current			Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Non-governmental organizations, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s1.1.1	Continue surveys in Polk and Highlands Counties.	Ongoing Current	FY 1995 - FY 1999		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Department of Environmental Resources Management, Florida Division of Forestry, Bok Tower Gardens , Florida Natural Areas Inventory, Archbold Biological Station, Florida Department of Agriculture and Consumer Services, Florida Department of Agriculture and Consumer Services/Division of Plant Industry	Research: Population Surveys	Labor type not yet selected	Action lead(s): FWS
Scrub blazingstar (Liatris ohlingerae)	2	lioh-s1.1.2	Continue surveys on protected lands.	Ongoing Not Current			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Properties should be surveyed when acquired. Action lead(s): FWS
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s1.2	Maintain distribution of known populations and suitable habitat in a GIS database.	Ongoing Current	FY 1995 - FY 1999		Florida Natural Areas Inventory, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, private
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s2.1	Protect populations on private land through acquisition, conservation easements, or agreements with landowners.	Ongoing Current			Florida Department of Environmental Protection	Acquisition	Labor type not yet selected	Cost dependent upon type of protection provided. Action lead(s): FWS

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Scrub blazingstar (Liatris ohlingerae)	2	lioh-s2.2	Protect populations on public lands.	Ongoing Current	FY 1995 - FY 1999		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Florida Division of Forestry, Archbold Biological Station	Work type not yet selected	Labor type not yet selected	Cost dependent upon type of protection provided. Action lead(s): DOF, FWC
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s2.3.1	Conserve germ plasm.	Not Started			Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Currently in Bokýs collection. Action lead(s): private
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s2.3.2	Maintain ex situ collection.	Not Started			Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Currently in Bokýs collection. Action lead(s): private
Scrub blazingstar (Liatris ohlingerae)	2	lioh-s2.4.1	Initiate section 7 consultation when applicable.	Ongoing Current			U.S. Bureau of Land Management, U.S. Department of Agriculture, U.S. Geological Survey, Biological Resources Division, U.S. Geological Survey, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Natural Resources Conservation Service, United States Coast Guard, U.S. Air Force	Work type not yet selected	Labor type not yet selected	Cost included in standard operating procedures of Federal agency's budget. Action lead(s): All Federal agencies
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s2.4.2	Enforce take and trade prohibitions.	Ongoing Current			Florida Department of Agriculture and Consumer Services/Division of Plant Industry	Work type not yet selected	Labor type not yet selected	Cost included in standard operating budgets of participating agencies. Action lead(s): FWS, FDACS/DPI
Scrub blazingstar (Liatris ohlingerae)	2	lioh-s3.1	Continue research to determine demographic information.	Complete	FY 1995 - FY 1999		Archbold Biological Station	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s3.2	Once demographic data are known, conduct population viability and risk assessment analysis.	Not Started			Private industry, landowners, etc., Public and private universities	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub blazingstar (Liatris ohlingerae)	2	lioh-s3.3	Conduct research to assess management requirements of scrub blazing star.	Complete	FY 1995 - FY 1999		Florida Division of Forestry, Archbold Biological Station, Private industry, landowners, etc.	Work type not yet selected	Labor type not yet selected	Action lead(s): private

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Scrub blazingstar (Liatris ohlingerae)	2	lioh-s4.1.1	Monitor to detect changes in demographic characteristics.	Ongoing Current	FY 1995 - FY 1999		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, Non-governmental organizations, Florida Division of Forestry, Archbold Biological Station	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s4.1.2	Monitor the effects of various land management actions on scrub blazing star.	Ongoing Current			Archbold Biological Station	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s4.2	Develop a quantitative description of the population structure of scrub blazing star.	Partially Complete			Archbold Biological Station	Work type not yet selected	Labor type not yet selected	Action lead(s): private
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s5.0	Provide public information about scrub blazing star.	Ongoing Current			Florida Fish and Wildlife Conservation Commission, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, private
Scrub blazingstar (Liatris ohlingerae)	3	lioh-s6.0	Develop delisting criteria.	Not Started			Florida Department of Environmental Protection, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS